

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: Shuang-yong Xu, Daniela Kobbe, Zhenyu Zhu, and James Samuelson

for *Methods for Altering the Cleavage Specificity of a Type IIG Restriction Endonuclease*, the specification of which is being transmitted herewith.

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)
2. Identification of Prior Applications in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
3. Identification of Person(s) Making This Information Disclosure Statement

---

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***

*(When using Express Mail, the Express Mail label number is mandatory;  
Express Mail certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

X deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

37 C.F.R. § 1.8(a)

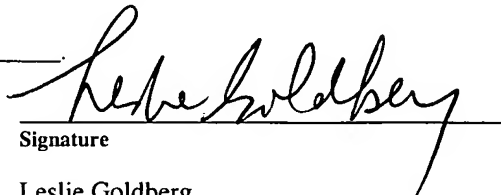
G with sufficient postage as first class mail.

37 C.F.R. § 1.10\*

XG as "Express Mail Post Office to Addressee"  
Mailing Label No. EE 742523078 US (mandatory)

**TRANSMISSION**

G facsimile transmitted to the Patent and Trademark Office, (703) \_\_\_\_\_ - \_\_\_\_\_

  
Signature

Date: March 15, 2004

Leslie Goldberg  
(type or print name of person certifying)

\* Only the date of filing ( ' 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under ' 1.8 continues to be taken into account in determining timeliness. See ' 1.703(f). Consider "Express Mail Post Office to Addressee" ( ' 1.10) or facsimile transmission ( ' 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

**Section 1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)**

(Insert form(s) PTO/SB/08A [Form 6-2] and/or form(s) PTO/SB/08B [Form 6-2.1].)

**Section 2. Identification of Prior Applications in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted**

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application SN.: 10/150,028, filed on May 17, 2002.

This application also relies, under 35 U.S.C. § 120, on the earlier filing date of prior application SN.: 09/693,146, filed on October 20, 2000.

The following references were submitted to, and/or cited by, the Office in the prior applications and, therefore, are not required to be provided in this application:

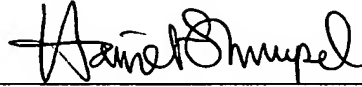
AA-AS; BA-BB

The person making this certification is:

- a. the practitioner who signs below on the basis of the information in the practitioner's file.

Date: March 15, 2004

Reg. No.: 37,008  
Tel. No.: 978-927-5054  
Customer No.: 28986

A handwritten signature in black ink, appearing to read "Harriet Strimpel", written over a horizontal line.

Signature of Practitioner

Harriet M. Strimpel, D. Phil.  
New England Biolabs, Inc.  
32 Tozer Road  
Beverly, MA 01915

[illegible]

FORM PTO-1449		ATTORNEY NO. NEB-183-CIP	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Xu, et al.	
		FILING DATE	GROUP NO.
	AA	MBI Fermentas 2000-2001 Catalog, Page No. 56, Gsul, Product No. ER0461/ER0462	
	AB	Roberts and Macelis, Nucleic Acids Res. 27:312-313 (1999)	
	AC	Kosykh, et al., Mol. Gen. Genet. 178:717-719 (1980)	
	AD	Mann, et al., Gene, 3:97-112 (1978)	
	AE	Walder, et al., Proc. Natl. Acad. Sci. 78:1503-1507 (1981)	
	AF	Bougueleret, et al., Nucleic Acids Res. 12:3659-3676 (1984)	
	AG	Gingeras and Brooks, Proc. Natl. Acad. Sci. USA 80:402-406 (1983)	
	AH	Theriault and Roy, Gene 19:355-359 (1982)	
	AI	Blumenthal, et al., J. Bacteriology 164:501-509 (1985)	
	AJ	Wayne, et al., Gene 202:83-88 (1997)	
	AK	Kiss, et al., Nucleic Acids Res. 13:6403-6421 (1985)	
	AL	Szomolanyi, et al., Gene 10:219-225 (1980)	
	AM	Janulaitis, et al., Gene 20:197-204 (1982)	
	AN	Kiss and Baldauf, Gene 21:111-119 (1983)	
	AO	Walder, et al., J. Biol. Chem. 258:1235-1241 (1983)	

[illegible]